



TN5075701

Tennessee Department of Environment and Conservation
 Division of Water Pollution Control
 Enforcement and Compliance Section
 L&C Annex, 6th Floor, 401 Church Street
 Nashville, TN 37243
 (615) 532-0625

Small Municipal Separate Storm Sewer System (MS4) Annual Report

1. MS4 INFORMATION

City of Church Hill

Name of MS4

David Wood

Name of Contact Person

423-357-6161

Telephone (including area code)

PO Box 366 300 Main Street

Mailing Address

Church Hill

TN

37642

City

State

ZIP code

What is the current population of your MS4? 6,737

What is the reporting period for this annual report? From Sept 2010 to Oct 2011

2. Protection of State or Federally Listed Species

- A. Are any of the MS4 discharges or discharge-related activities likely to jeopardize any state or federally listed species (**Part 3, Special Conditions, General Permit for Phase II MS4s**) ☒ Yes ☐ No

B. Please attach the determination of the effect of the MS4 discharges on state or federally listed species per sub-part 3.2.1

3. Water Quality Priorities

- A. Does your MS4 discharge to waters listed as impaired on the state 303(d) list? ☒ Yes ☐ No
- B. If yes, identify each impaired water, the impairment cause(s), whether a TMDL has been approved by EPA for each, and whether the TMDL identifies your MS4 as a source of the impairment.

Waterbody I.D. #	Cause/TMDL Priority	Approved TMDL		MS4 Assigned to WLA	
See Attached	See attached	<input type="checkbox"/> Yes	<input type="checkbox"/> No	<input type="checkbox"/> Yes	<input type="checkbox"/> No
		<input type="checkbox"/> Yes	<input type="checkbox"/> No	<input type="checkbox"/> Yes	<input type="checkbox"/> No
		<input type="checkbox"/> Yes	<input type="checkbox"/> No	<input type="checkbox"/> Yes	<input type="checkbox"/> No

C. What specific sources of these pollutants of concern are you targeting? Land developement

D. Do you have discharges to any Exceptional TN Waters (ETWs) or Outstanding National Resource Waters (ONRWS)? ☒ Yes ☐ No

E. Are you implementing additional specific provisions to ensure the continued integrity of ETWs or ONRWS located within your jurisdiction? ☒ Yes ☐ No

4. Public Education and Public Participation

A. Is your public education program targeting specific pollutants and sources of those pollutants? ☒ Yes ☐ No

B. If yes, what are the specific causes, sources and/or pollutants addressed by your public education program? Auto care, net waste sentic svstems, lawn care, commerical, construction, agriculture, auto facilities and forestry

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C. Note specific successful outcome(s) (NOT tasks, events, publications) fully or partially attributable to your public education program during this reporting period. _____

D. Do you have an advisory committee or other body comprised of the public and other stakeholders that provides regular input on your stormwater program? ☐ Yes ☒ No

E. Provide a summary of all public meetings required by the permit. Planning Commission meetings.

5. Codes and Ordinances Review and Update

A. Is a completed copy of the EPA Water Quality Scorecard submitted with this report? ☐ Yes ☒ No

B. Include status of implementation of code, ordinance and/or policy revisions associated with permanent stormwater management. Ordinances being reviewed and revised.

6. Construction

A. Do you have an ordinance or adopted policies stipulating:

Erosion and sediment control requirements? ☒ Yes ☐ No

Other construction waste control requirements? ☒ Yes ☐ No

Requirement to submit construction plans for review? ☒ Yes ☐ No

MS4 enforcement authority? ☒ Yes ☐ No

B. How many active construction sites disturbing at least one acre were there in your jurisdiction this reporting period? 6

C. How many of these active sites did you inspect this reporting period? 6

D. On average, how many times each, or with what frequency, were these sites inspected (e.g., weekly, monthly, etc.)? 2 X Month

E. Do you prioritize certain construction sites for more frequent inspections? ☒ Yes ☐ No
If Yes, based on what criteria? All sites after heavy rains

7. Illicit Discharge Elimination

A. Have you completed a map of all outfalls and receiving waters of your storm sewer system? ☒ Yes ☐ No

B. Have you completed a map of all storm drain pipes of storm sewer system? ☐ Yes ☒ No

C. How many outfalls have you identified in your system? 66

D. How many of these outfalls have been screened for dry weather discharges? 66

E. How many of these have been screened more than once? 0

F. What is your frequency for screening outfalls for illicit discharges? Once during permit cycle

G. Do you have an ordinance that effectively prohibits illicit discharges? ☒ Yes ☐ No

H. During this reporting period, how many illicit discharges/illegal connections have you discovered (or been reported to you)? None

I. Of those illicit discharges/illegal connections that have been discovered or reported, how many have been eliminated? None this reporting cycle

8. Stormwater Management for Municipal Operations

A. Have stormwater pollution prevention plans (or an equivalent plan) been developed for:

All parks, ball fields and other recreational facilities ☒ Yes ☐ No

All municipal turf grass/landscape management activities ☒ Yes ☐ No

All municipal vehicle fueling, operation and maintenance activities ☒ Yes ☐ No

All municipal maintenance yards ☒ Yes ☐ No

All municipal waste handling and disposal areas ☒ Yes ☐ No

B. Are stormwater inspections conducted at these facilities? ☒ Yes ☐ No

1. If Yes, at what frequency are inspections conducted? Yearly

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- C. Have standard operating procedures or BMPs been developed for all MS4 field activities? (e.g., road repairs, catch basin cleaning, landscape management, etc.) ☐ Yes ☒ No
- D. Do you have a prioritization system for storm sewer system and permanent BMP inspections? ☒ Yes ☐ No
- E. On average, how frequently are catch basins and other inline treatment systems inspected? Monthly by Public Works Director
- F. On average, how frequently are catch basins and other inline treatment systems cleaned out/maintained? During storms and after inspections as needed.
- G. Do municipal employees in all relevant positions and departments receive comprehensive training on stormwater management? ☒ Yes ☐ No
- H. If yes, do you also provide regular updates and refreshers? ☒ Yes ☐ No
- If so, how frequently and/or under what circumstances? Yearly

9 Permanent Stormwater Controls

- A. Do you have an ordinance or other mechanism to require:
- Site plan reviews of all new and re-development projects? ☒ Yes ☐ No
- Maintenance of stormwater management controls? ☒ Yes ☐ No
- Retrofitting of existing BMPs with green infrastructure BMPs? ☐ Yes ☒ No
- B. What is the threshold for new/redevelopment stormwater plan review? (e.g., all projects, projects disturbing greater than one acre, etc.) Has not been implemented
- C. Have you implemented and enforced performance standards for permanent stormwater controls? ☒ Yes ☐ No
- D. Do these performance standards go beyond the requirements found in paragraph 4.2.5.2 and require that pre-development hydrology be met for:
- Flow volumes ☐ Yes ☒ No
- Peak discharge rates ☐ Yes ☒ No
- Discharge frequency ☐ Yes ☒ No
- Flow duration ☐ Yes ☒ No
- E. Please provide the URL/reference where all permanent stormwater management standards can be found.
City web site
- F. How many development and redevelopment project plans were reviewed for this reporting period? 1
- G. How many development and redevelopment project plans were approved? 1
- H. How many permanent stormwater management practices/facilities were inspected? 7
- I. How many were found to have inadequate maintenance? 1
- J. Of those, how many were notified and remedied within 30 days? (If window is different than 30 days, please specify) 1
- K. How many enforcement actions were taken that address inadequate maintenance? Problem was resolved by property owner.
- L. Do you use an electronic tool (e.g., GIS, database, spreadsheet) to track post-construction BMPs, inspections and maintenance? ☒ Yes ☐ No
- M. Do all municipal departments and/or staff (as relevant) have access to this tracking system? ☐ Yes ☒ No
- N. Has the MS4 developed a program to allow for incentive standards for redeveloped sites? ☐ Yes ☒ No

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O. How many maintenance agreements has the MS4 approved during the reporting period? none

10. Enforcement

A. Identify which of the following types of enforcement actions you used during the reporting period, indicate the number of actions, the minimum measure (e.g., construction, illicit discharge, permanent stormwater control) or note those for which you do not have authority:

Action	Construction	Permanent Stormwater Controls	Illicit Discharge	Authority?	
Notice of violation	# <u>2</u>	#	#	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No
Administrative fines	#	#	#	<input checked="" type="checkbox"/> Yes	<input checked="" type="checkbox"/> No
Stop Work Orders	#	#	#	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No
Civil penalties	#	#	#	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No
Criminal actions	#	#	#	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No
Administrative orders	#	#	#	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No
Other	#	#	#		

B. Do you use an electronic tool (e.g., GIS, data base, spreadsheet) to track the locations, inspection results, and enforcement actions in your jurisdiction? ☒ Yes ☐ No

C. What are the 3 most common types of violations documented during this reporting period? Complaints from individuals concerning construction activities.

11. Program Resources

A. What was your annual expenditure to implement the requirements of your MS4 NPDES permit and SWMP this past reporting period? 500.00

B. What is next year's budget for implementing the requirements of your MS4 NPDES permit and SWMP? 500.00

C. Do you have an independent financing mechanism for your stormwater program? ☐ Yes ☒ No

D. If so, what is it/are they (e.g., stormwater fees), and what is the annual revenue derived from this mechanism?
Source: Amount \$

Source: Amount \$

E. How many full time employees does your municipality devote to the stormwater program (specifically for implementing the stormwater program vs. municipal employees with other primary responsibilities that dovetail with stormwater issues)? One full time employee who is also the fire chief, building inspector, codes enforcement officer and takes care of utility cuts in the streets.

F. Do you share program implementation responsibilities with any other entities? ☐ Yes ☒ No

Entity	Activity/Task/Responsibility	Your Oversight/Accountability Mechanism

12. EVALUATING/MEASURING PROGRESS

A. What indicators do you use to evaluate the overall effectiveness of your Stormwater Management Program, how long have you been tracking them, and at what frequency? Note that these are not measurable goals for individual BMPs or tasks, but large-scale or long-term metrics for the overall program, such as in-stream macroinvertebrate community indices, measures of effective impervious cover in the watershed, indicators of in-stream hydrologic stability, etc.

Indicator	Began Tracking (year)	Frequency	Number of Locations
Example: E. coli	2003	Weekly April–September	20

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B. Provide a summary of data (e.g., water quality information, performance data, modeling) collected in order to evaluate the performance of permanent stormwater controls installed throughout the system. This evaluation may include a comparison of current and past permanent stormwater control practices. Not yet implemented

13. Stormwater Management Program Update

A. Describe any changes to the MS4 program during the reporting period including but not limited to:

Changes adding (but not subtracting or replacing) components, controls or other requirements per paragraph 4.4.2.a of the permit. _____

Changes to replace an ineffective or unfeasible BMP per paragraph 4.4.2.b of the permit. _____

Information (e.g. additional acreage, outfalls, BMPs) on program area expansion based on annexation or newly urbanized areas. _____

Changes to the program as required by the division. _____

14. Certification

This report must be signed by a ranking elected official or by a duly authorized representative of that person. See signatory requirements in sub-part 6.7.2 of the permit.

"I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations."

DEWIS W DEAL

Printed Name and Title

Dennis W Deal

Signature

9-27-2011

Date

Annual reports must be submitted in accordance with the requirements of subpart 5.4. (Reporting) of the permit. Annual reports must be submitted to the appropriate Environmental Field Office (EFO) by September 30 of each calendar year, as shown in the table below:

EFO	Street Address	City	Zip Code	Telephone
Chattanooga	540 McCallie Avenue STE 550	Chattanooga	37402	(423) 634-5745
Columbia	1421 Hampshire Pike	Columbia	38401	(931) 380-3371
Cookeville	1221 South Willow Ave.	Cookeville	38506	(931) 432-4015
Jackson	1625 Hollywood Drive	Jackson	38305	(731) 512-1300
Johnson City	2305 Silverdale Road	Johnson City	37601	(423) 854-5400
Knoxville	3711 Middlebrook Pike	Knoxville	37921	(865) 594-6035
Memphis	8383 Wolf Lake Drive	Bartlett	38133	(901) 371-3000
Nashville	711 R S Gass Boulevard	Nashville	37216	(615) 687-7000

**Phase II Stormwater Permit Notice of Intent (NOI)
Phase II Municipal Separate Storm Sewer Systems (MS4)**

**ITEM D
IDENTIFYING IMPAIRED STREAMS AND OTHER WATER BODIES**

Using the GIS mapping tool (<http://tnmap.tn.gov/wpc/>) along with the most current 303(d) list published on the division's web site (<http://www.tn.gov/environment/wpc/publications/#wqassessment>), identify whether stormwater discharges from any part of the MS4 contribute pollutants of concern to an impaired waterbody and list below: For any impairment, indicate the waterbody ID#, name of impacted waterbody, nature of pollution (cause), and the source. If you have additional streams to list, please include in a separate attachment.

WATERBODY ID# AND NAME OF IMPACTED WATERBODY	CAUSE OF IMPAIRMENT	SOURCE OF IMPAIRMENT
TN0610104 011-0500 Bradley Creek	Escherichia coli / Pathogens	Livestock in streams
TN0610104 011-510 Renfro Creek	Escherichia coli / Pathogens	Livestock in streams
TN0610104 011-0700 Hoard Creek	Escherichia coli / Pathogens	Pasture grazing
TN0610104 011-0800 Alexander Creek	Unknown Toxicity / Pathogens	Urban runoff / Stormsewers
TN0610104 011-0850 Alexander Creek	Escherichia coli / Pathogens	Pasture grazing
TN0610104 011-0900 Smith Creek	Other habitat alterations / Pathogens	Pasture grazing / Land development
TN0610104 011-1000 Holston River	Mercury	Industrial point source Source in other state Contaminated sediment

**ITEM E
HAS THE STATE OR EPA ISSUED A TMDL FOR ANY STREAMS DIRECTLY AFFECTED BY RUNOFF FROM YOUR MS4?**

Determine whether or not a TMDL has been established and approved by EPA and identify by checking the appropriate box. A list of EPA-Approved TMDLs as well as EPA-Established TMDLs for Tennessee waters can be found on the division's web site (<http://www.tn.gov/environment/wpc/tmdl/approved.shtml>).

Yes ☒ No ☐ If yes, list the waterbody ID#, name of impacted waterbody and parameter(s) of concern:

WATERBODY ID# AND NAME OF IMPACTED WATERBODY	PARAMETERS OF CONCERN
Holston River Watershed (HUC 06010104)	E. Coli / Pathogens

If you have additional streams to list, please include in a separate attachment.